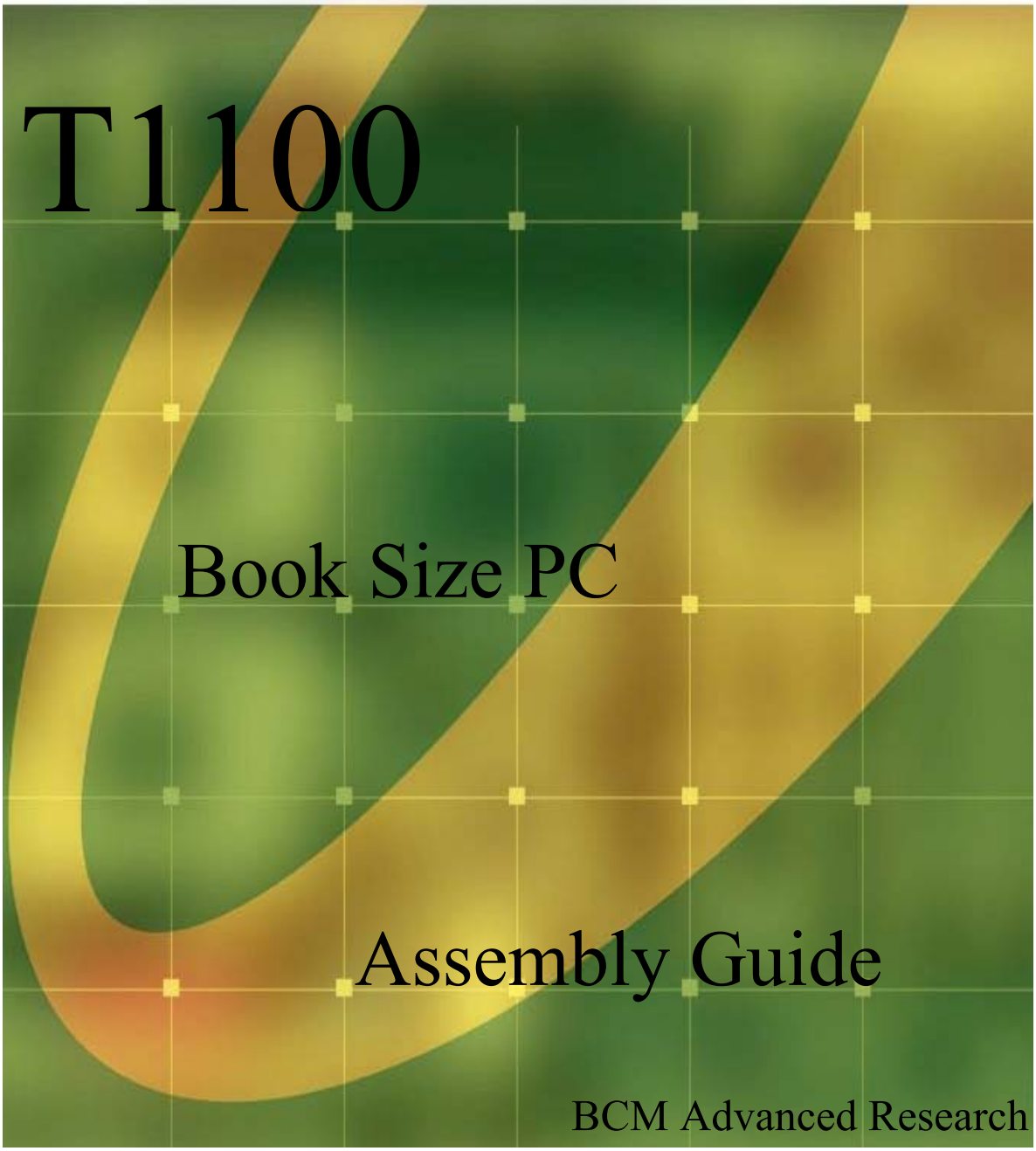
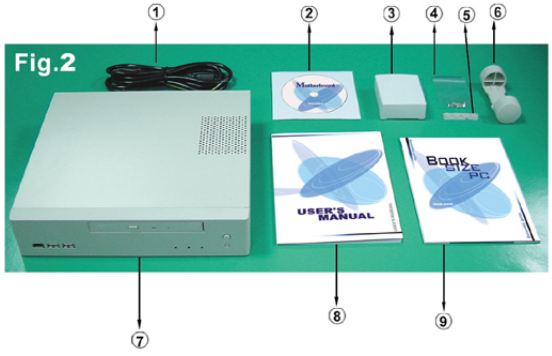

T1100
Book Size PC
Assembly Guide
BCM Advanced Research

Chapter 1 Introduction

The **T-1100 (Fig.1)** is a high-performance book-sized PC with the revolutionary features of small size and light weight. It not only can be used in the office, but also a great choice for SOHO users or PC players. Inside this elegant-designed case, it has a powerful motherboard that has all the functions a user needs.

This Assembly Guide will help a user understand the components of **T-1100** and lead a user to assemble the system with detailed steps and instructions.

The **T-1100** will perform perfectly once the system is assembled correctly.



1-1 Package Content (Fig.2)

1. Power cord
2. CD driver
3. CPU fan heatsink
4. A set of screws
5. Mat rubber foot
6. Foot stand
7 T-1100
8 User' manual
9 Assembly guide

1-2 Description of The Structure

Specification	Description
Processor	Socket 370 for Intel Pentium II/ III, Celeron PPGA/ FCPGA processor, optimized for F.S.B 66/ 100/ 133 MHz
System memory	Support 2 banks of SDRAM up to 1GB
Hard Disk	Support Slim 2.5" HDD
Dimension	62mm(H) x 272mm(W) x 252mm(D)
Weight	3.0 ±0.5kg
Power specification	AC100~240V(50/ 60Hz)
Power supply Spec.	DC output 150W MAX (Bona: PS001)

1-3 Description of The Case

Front Panel (Fig. 3)

1. Slim CD-ROM (Optional. You can choose to install slim DVD-ROM, slim CD-RW or nothing, as you like)

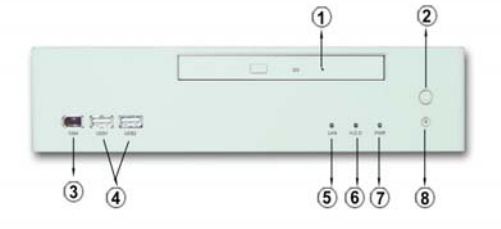


Fig.3

2. Power switch
3. 1xIEEE 1394 port
4. 2xUSB ports
5. Network LED
6. HDD LED
7. Power LED
8. Reset switch

1-4 Back Panel (Fig. 4)

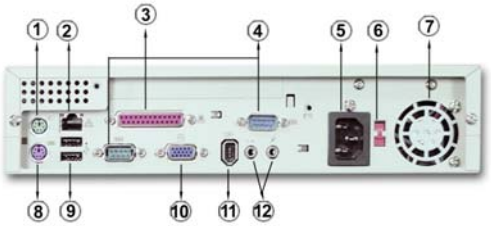
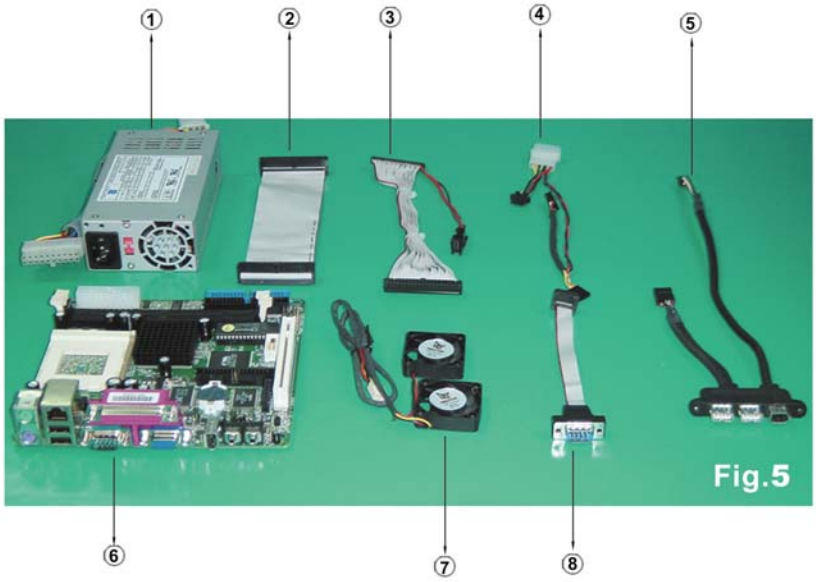


Fig.4

1. PS/2 mouse connector
2. 2 RJ45 Jack for network
3. 3-1xParallel port
4. 4 2xSerial ports
5. Power connector
6. Power voltage setting
7. Power supply
8. PS/2 keyboard connector
9. 2xUSB ports
10. VGA connector
11. 1xIEEE 1394 port
12. Audio speaker/ Line in/ Line out Jacks

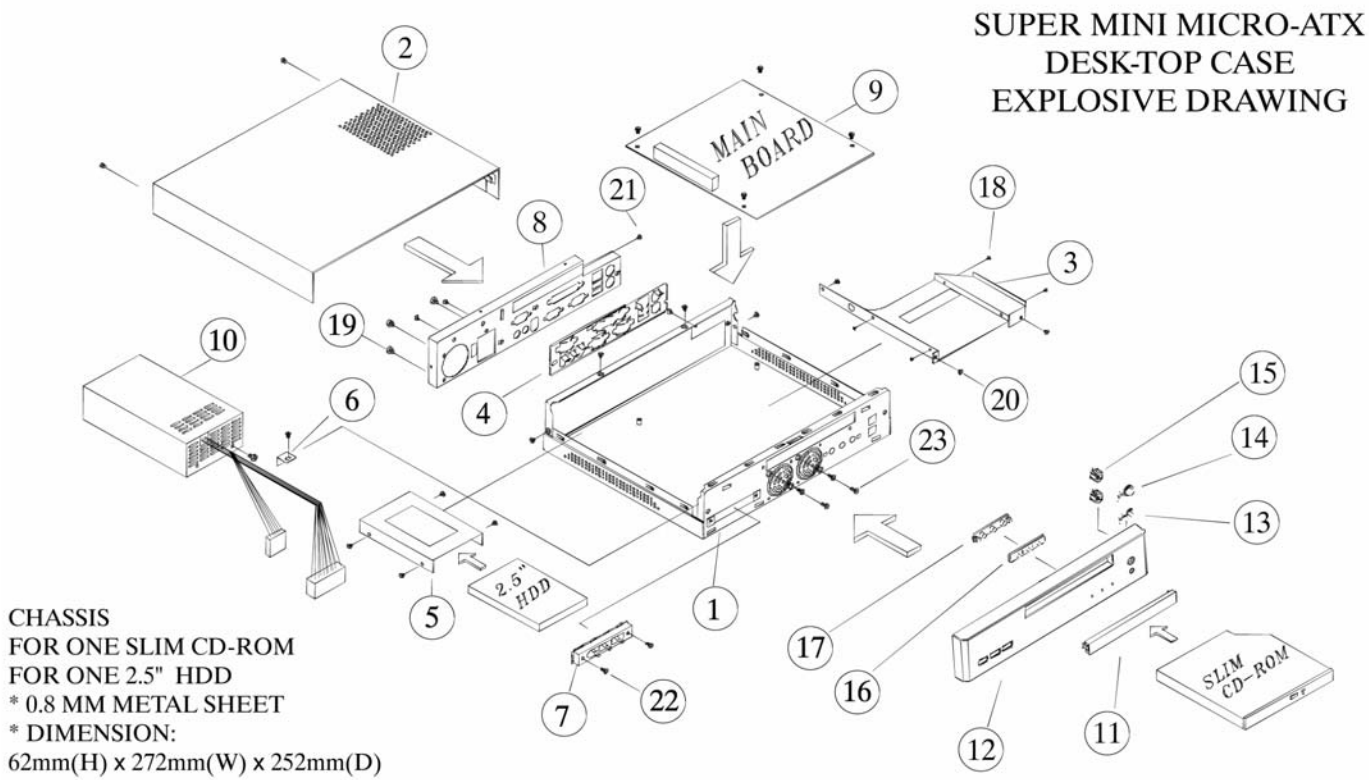
1-5 Description of Layout and Component

Components (Fig. 5)



1. Power supply
2. CD-ROM cable
3. HDD cable
4. Power/ Audio cable
5. IEEE 1394+ USB cable
6. Motherboard
7. System fan
8. Serial port cable

(**Fig.6**)



①CHASSIS	②TOP COVER	③SCD BRACKET	④I/0 SHIELDING	⑤SHDD BRACKET	⑥POWER BRACKET	
⑦USB SHIELDING	⑧BACK	⑨MAIN BOARD	⑩POWER SUPPLY	⑪DOOR	⑫FRONT PANEL	⑬RESET SWITCH
⑭POWER SWITCH	⑮HOLDER	⑯LED LIGHT	⑰LAMPSTAND	⑱SCREW S2*3	⑲SCREW B/6-32	
⑳SCREW T/M3*0.5	㉑SCREW S/M3*0.5	㉒SCREW S3*10	㉓SCREW T4*10			

Enlarged view of the system (Fig. 6)

Chapter 2 Assembly Procedure

Attention!

This procedure is for the users who choose the slim CD-ROM, slim CD-RW, or slim DVD-ROM as the standard equipment. If you don't want to install these disc drives as mentioned above, you can ignore the steps: 2-3, 2-4, 2-10, 2-13, and 2-14. In the following procedure, we just use the term slim CD-ROM to refer to slim CD-RW and slim DVD-ROM.

2-1. Loosen the screws (Fig. 7.1) and open the top-cover of the case. (Fig. 7.2)

2-2 Remove the front panel. (Fig. 8)

Fig.7.1

Fig.7.2

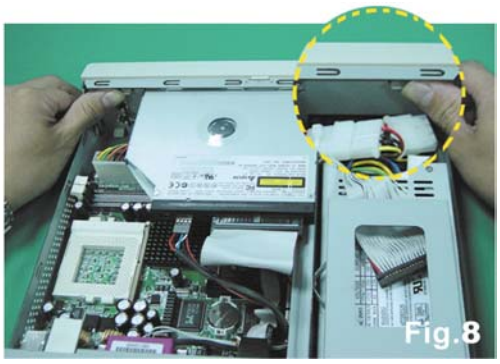


Fig.8

2-3 Remove the CD-ROM cable and the power cable of the slim CD-ROM. (Fig. 9)

2-4 Loosen the screws of the CD-ROM bracket and remove this bracket and the slim CD-ROM. (Fig. 10)

2-5 Open the handle of the 370-pin socket. (Fig 11)

2-6 Insert the CPU into the 370-pin socket with the correct orientation and close the handle. (Fig. 12)

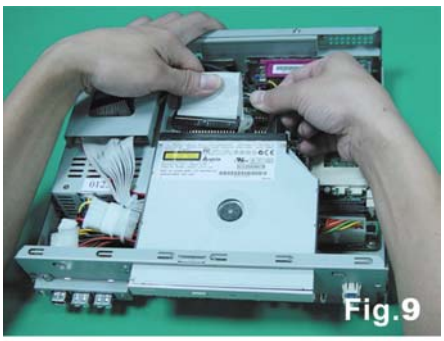


Fig.9

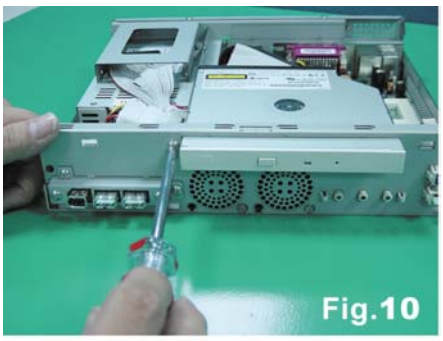


Fig.10

Fig.11

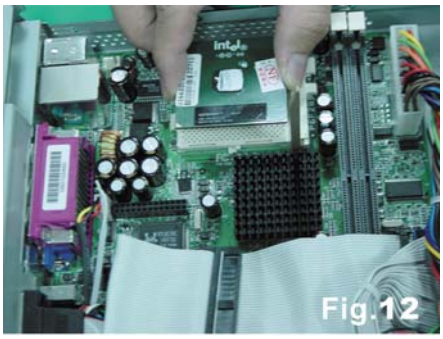


Fig.12

2-7 Squeeze a small amount of grease on the chip of the CPU and place the CPU fan heatsink on the CPU aligning it with the socket base. Later, attach the fan heatsink clip to the socket. (Fig. 13)

2-8 Install the fan heatsink cable header to the motherboard connector. (Fig. 14)

2-9 Install the SDRAM modules into the DIMM socket. (Fig. 15)

2-10 Screw the CD-ROM bracket along with the slim CD-ROM into the exact position where you remove it. (Fig. 16)

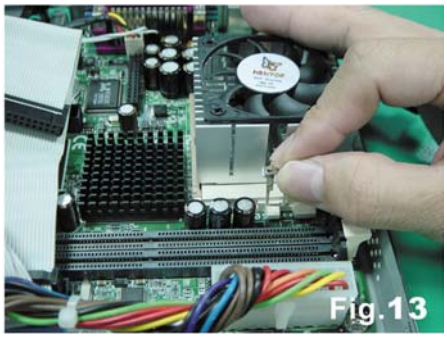


Fig.13

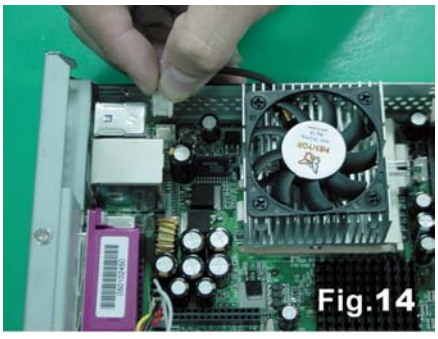


Fig.14

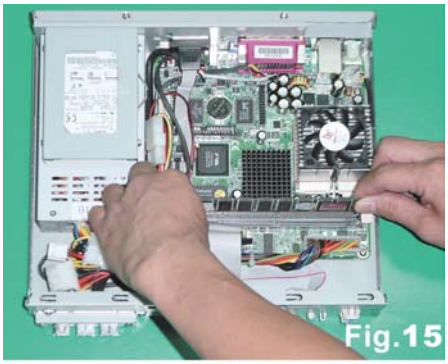


Fig.15

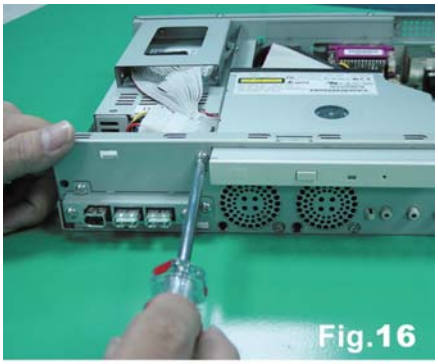


Fig.16

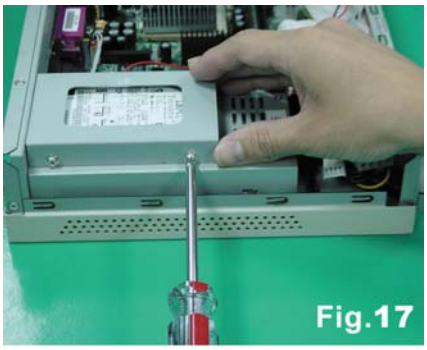


Fig.17

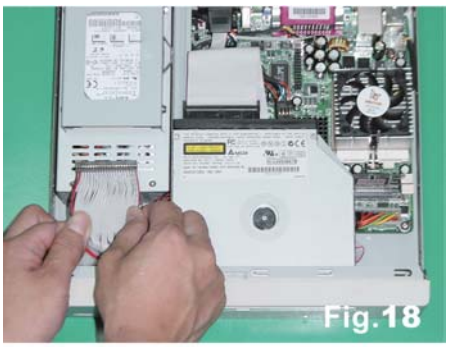


Fig.18

2-11 Screw the slim HDD into the hard disk drive bracket. (Fig. 17)

2-12 Connect the 44-pin IDE Cable to the HDD connector with the correct orientation. (Fig. 18)

2-13 Align the 40-pin IDE cable with the CD-ROM adapter by the ▲ mark and connect them tightly. (Fig. 19)

2-14 Connect the 8-pin power cable of the slim CD-ROM. (Fig. 20)

2-15 Close the front panel. (Fig. 21)

2-16 Close the top-cover of the case (Fig. 22.1) and screw it. (Fig. 22.2)

2-17 Check the voltage setting of the power supply. (Fig. 23)

Fig.19

Fig.20

Fig.21

Fig.22.1

Fig.22.2

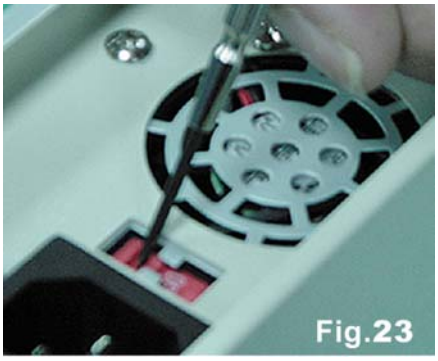


Fig.23

Chapter 3 Important Notes

3-1. When you connect the HDD cable, please check if the orientation is correct. There is a closed pin on the cable preventing the wrong installation, which means that you will not be able to connect the IDE cable to the slim HDD with the wrong orientation. (Fig. 24)

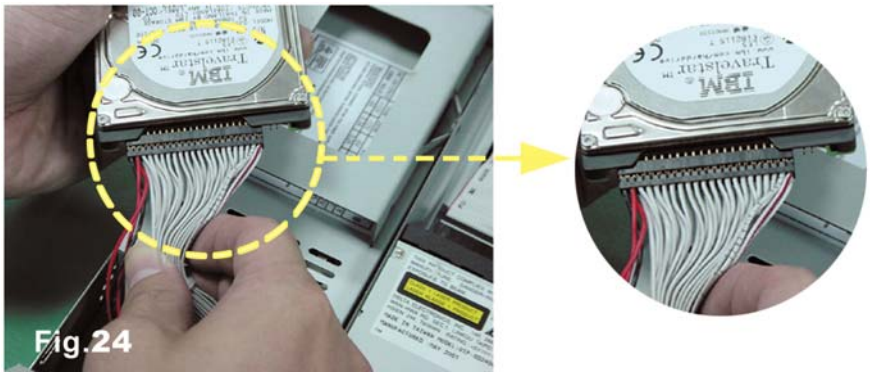
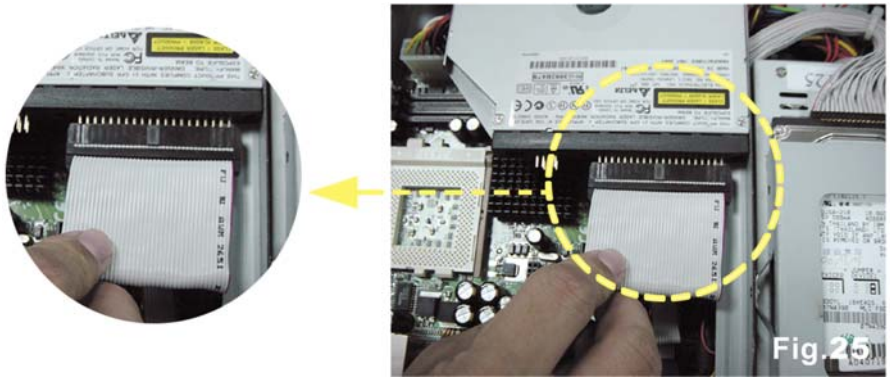


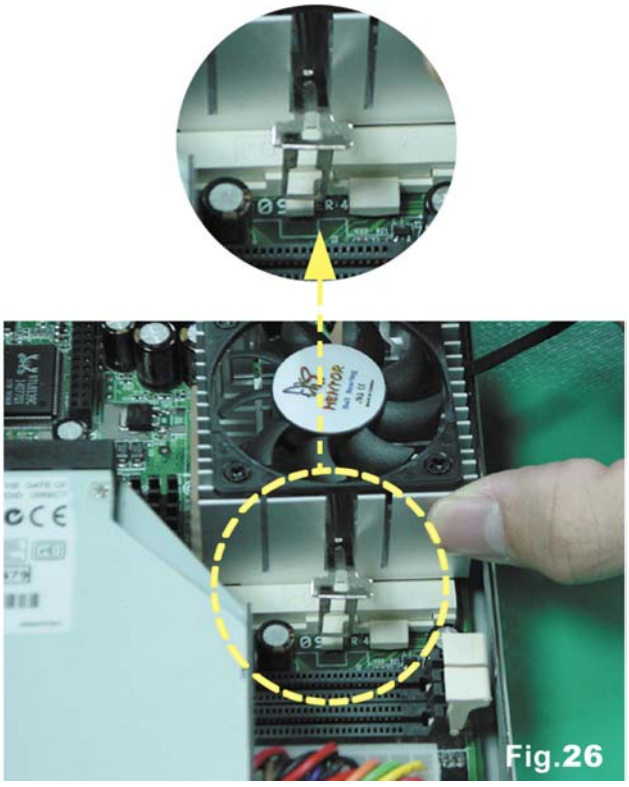
Fig.24

3-2. Please check if the connecting orientation of the CD-ROM cable is correct.

You may connect them with the wrong orientation; hence the slim CD-ROM will not work. The ▲ mark is to help you tell which orientation is correct. (Fig. 25)



3-3. It is very important to align the CPU fan heatsink with the socket base. You should check the installing orientation of the CPU fan heatsink; otherwise it will not be possible to attach the clip to the socket. Please remember to attach the clip tightly. Proper installation will prevent overheating and ensure correct CPU operation. (Fig. 26) For further information, you can read the Installation Manual provided by the CPU manufacturer.



3-4. Please remember to adjust the voltage setting of the power supply, according to the local voltage, before turning on the system power. The wrong voltage setting may cause damage to T-1100. (Fig. 27)

3-5. Please check if the connecting orientation of the 8-pin CD-ROM power cable is correct. There is a closed pin preventing the wrong installation. (Fig. 28)